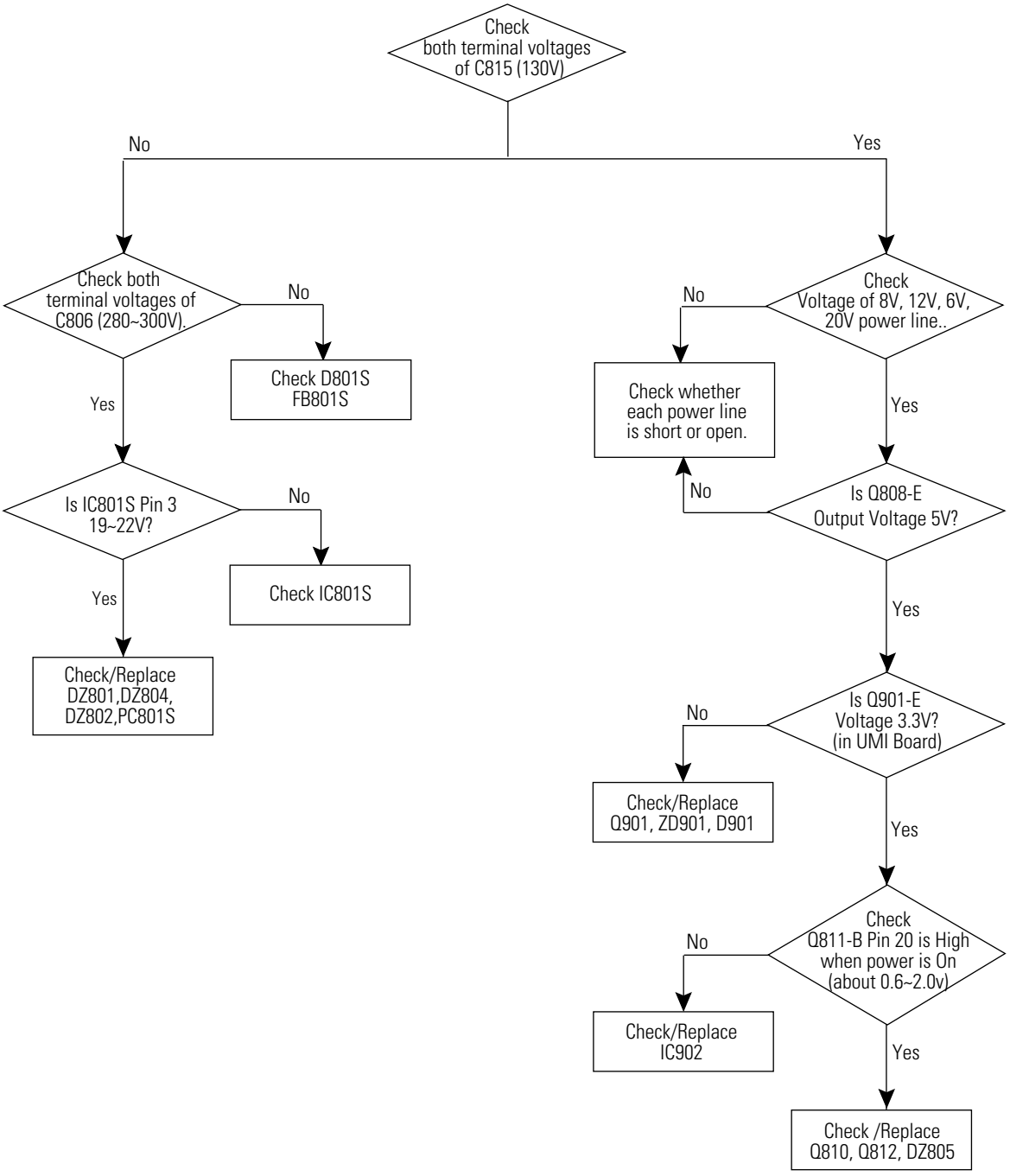
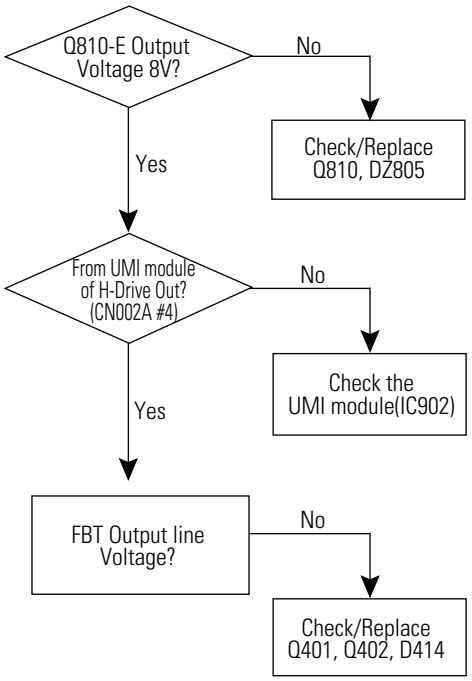
5. Troubleshooting

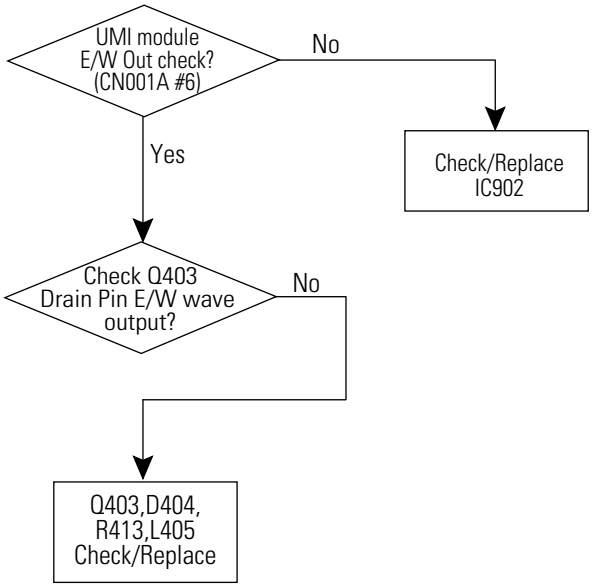
5-1 No Power (No Picture on)



5-2 No Power (No LED On)

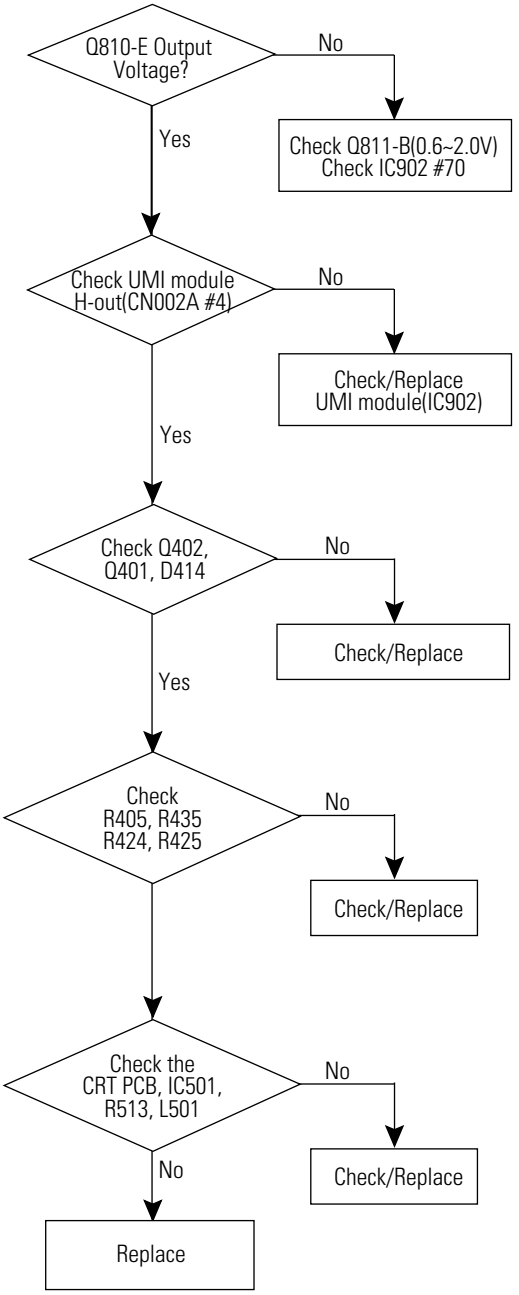


5-3 E/W Correction Not

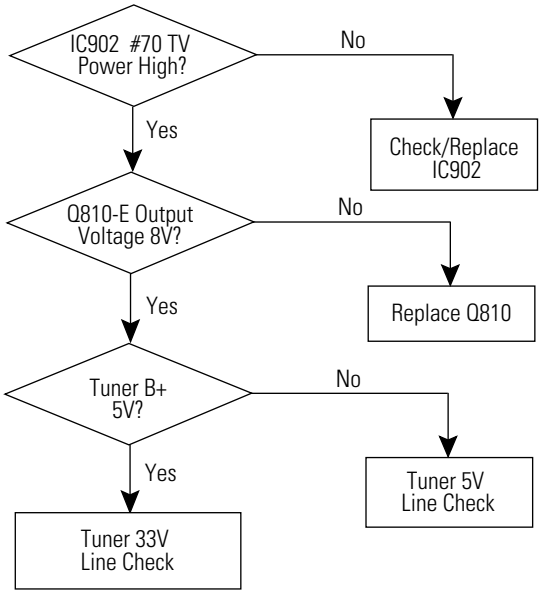


5-4 No Raster / No RF Signal

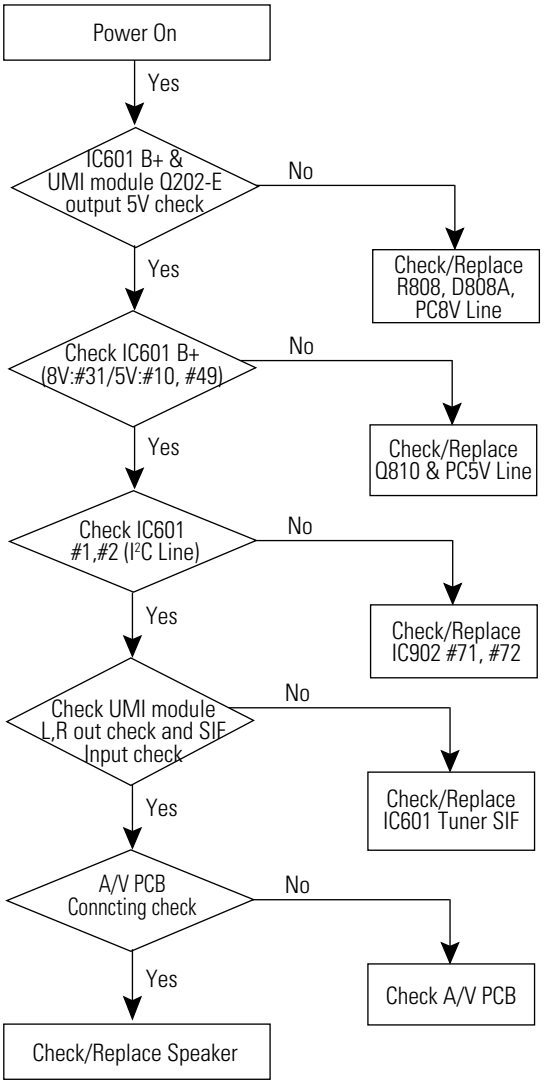
* No Raster



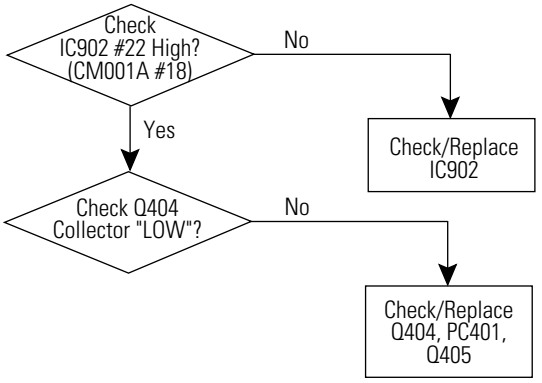
* No signal



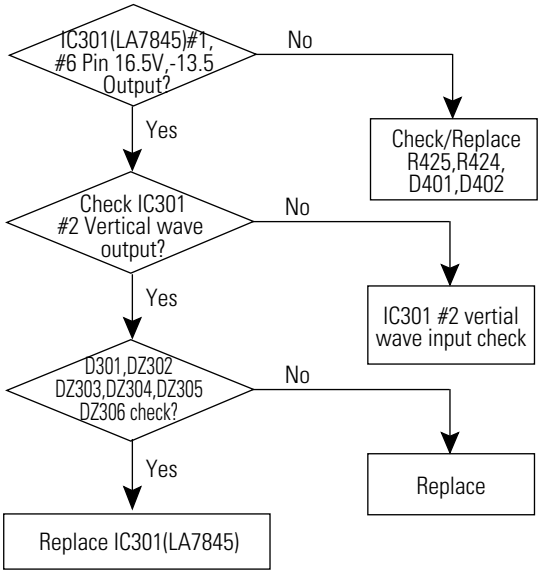
5-5 No Sound



5-6 No PANORAMA



5-7 Horizotal Line



5-8 No Picture (Sound OK)

1 Check the Brightness, Contrast and Color adjustments

2. Check: AV Picture

3. See Video Block Diagram

5-9 No Sound (Picture OK)

1. Check the Volume adjustment level.

2. Check AV Video

3. See Audio Block Diagram

5-10 RF Weak Signal (Playback, AV Mode OK)

1. Check Tuner (TU01S) B+. Check: 8V (IC802)
   33V (DZ201). Check 5V (IC804)

5-11 No Vertical SCAN

1. Check R425, D401
2. Check IC301, #2
3. Check Chroma module Vertical-out Line
4. Check DY Connector

5-12 Horizontal Size

1. Check L406, C411, R421, Q403, D404, R413, R405

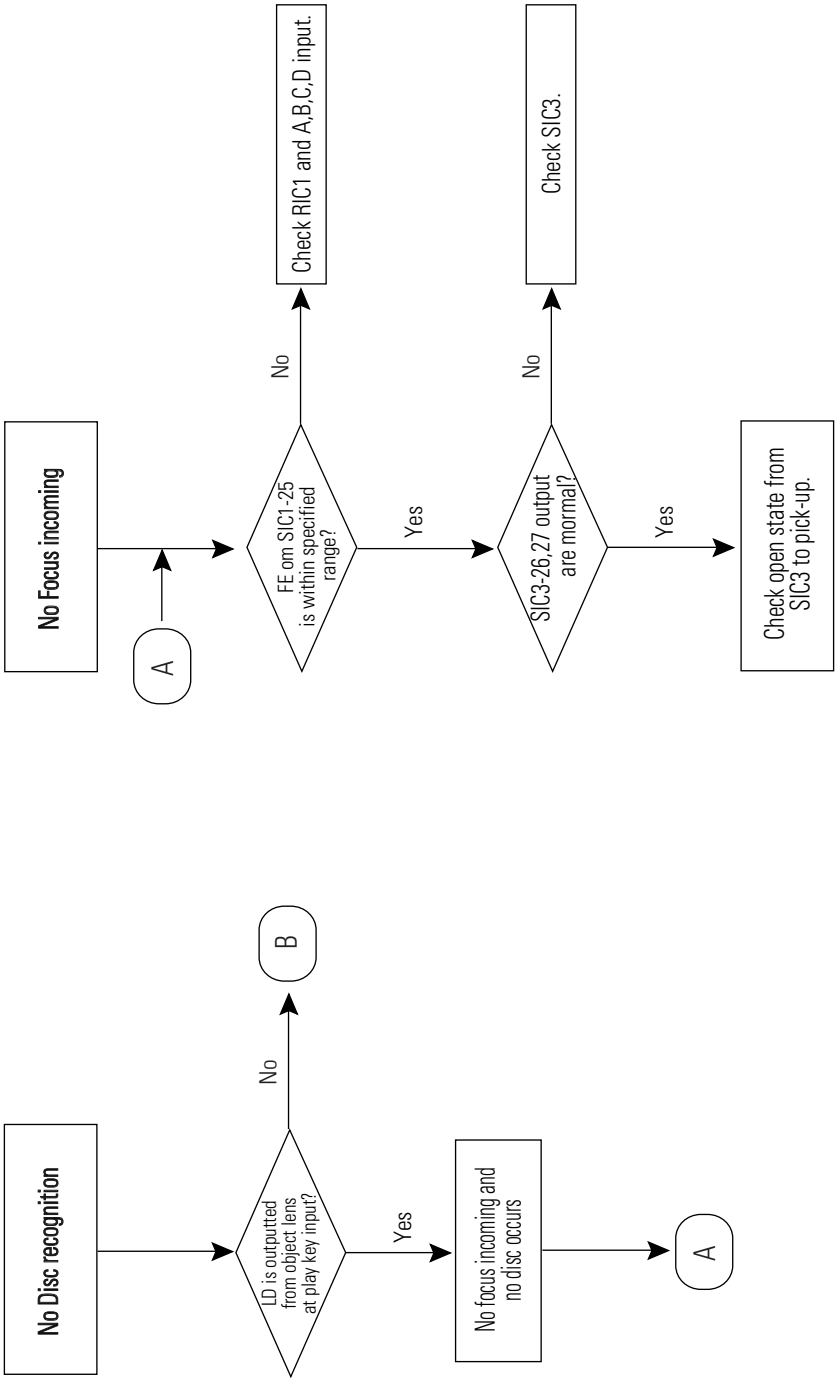
5-13 On-Screen Display Missing

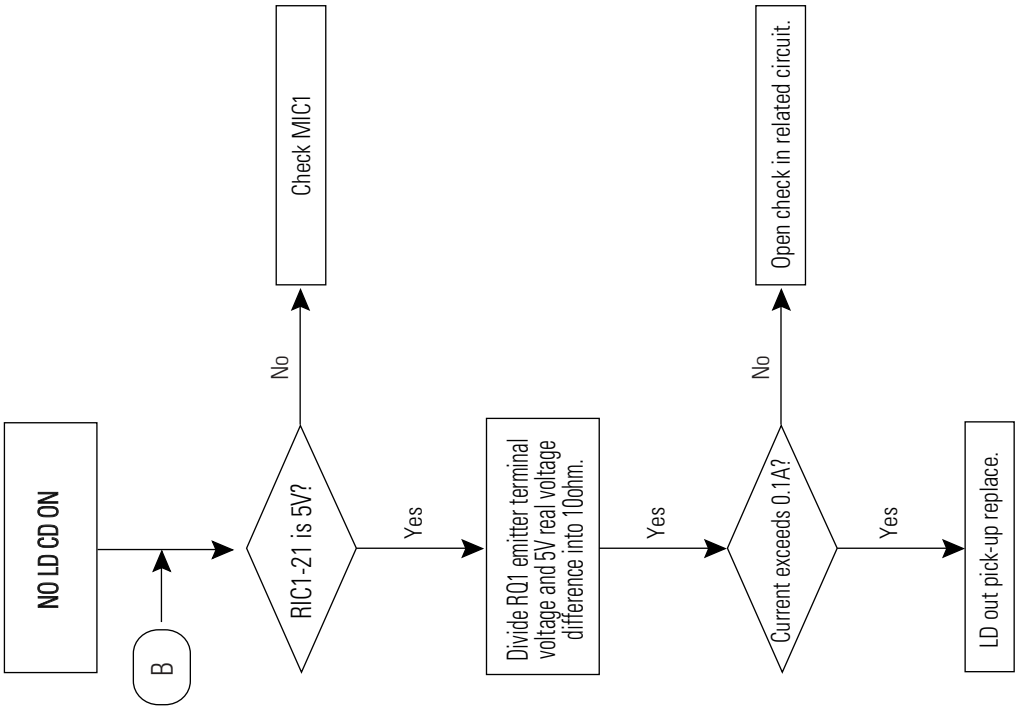
1. Check IC901 #32, #33, 34
2. Check Chroma module

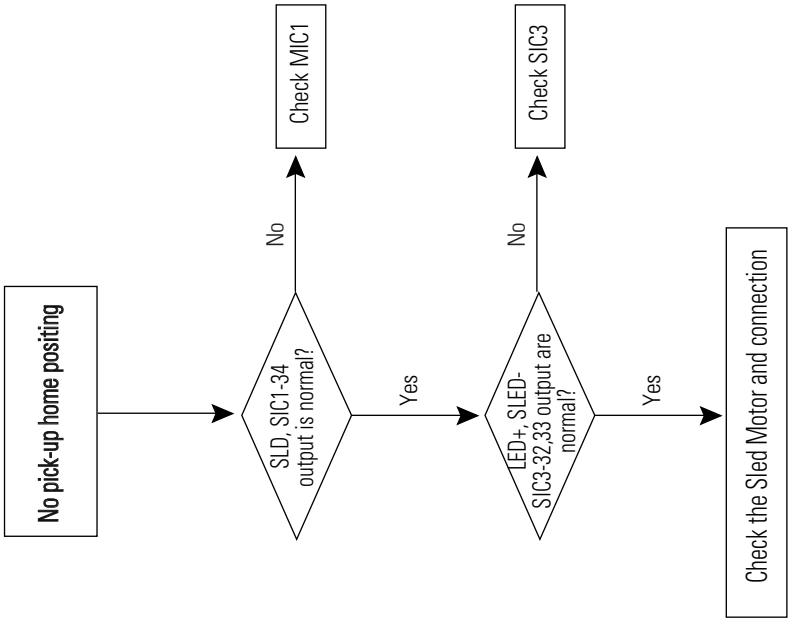
5-14 No Teletext

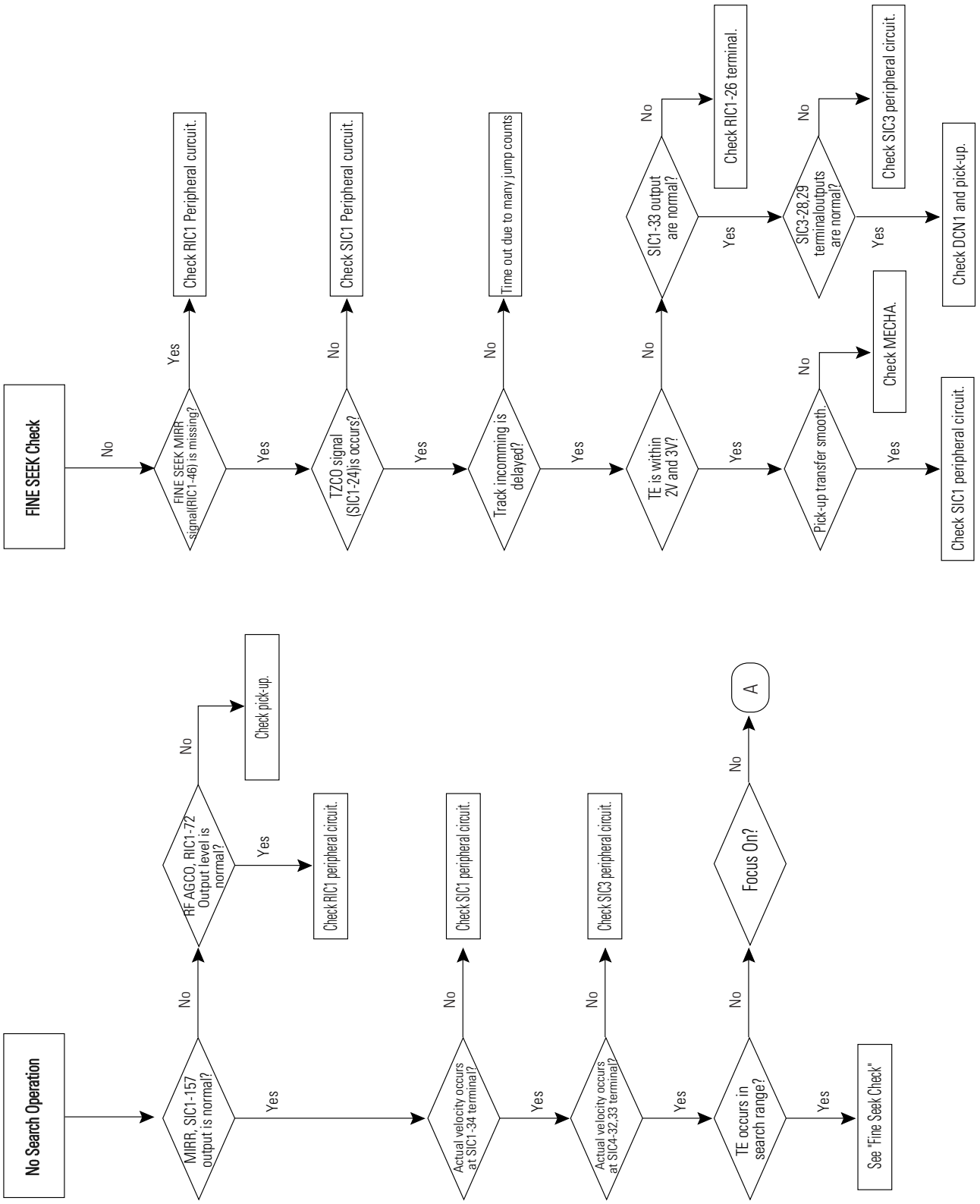
1. Check IC901 #30
2. Check IC901 #24 (CVBS)

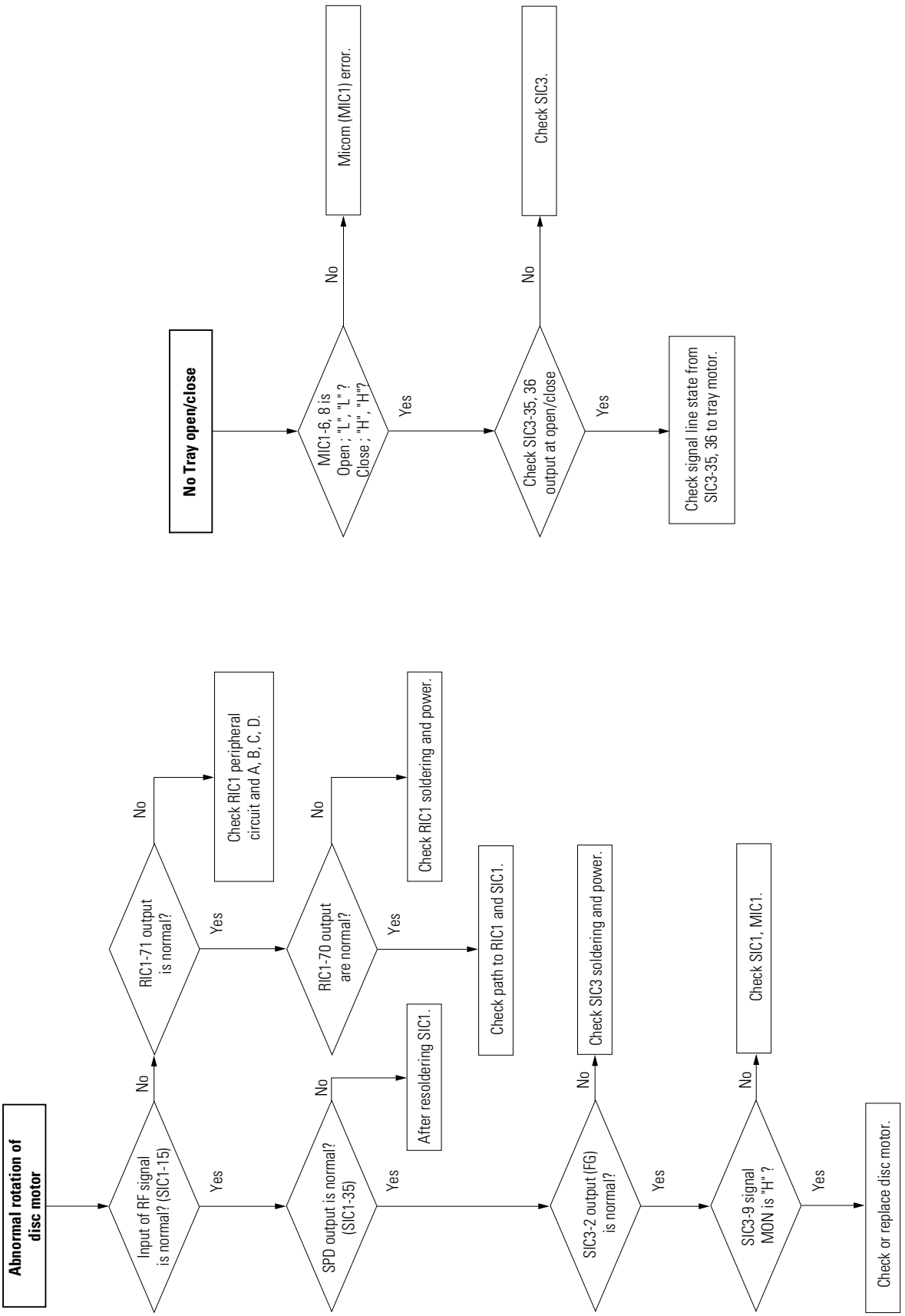
5-15 DVD Block Troubleshooting

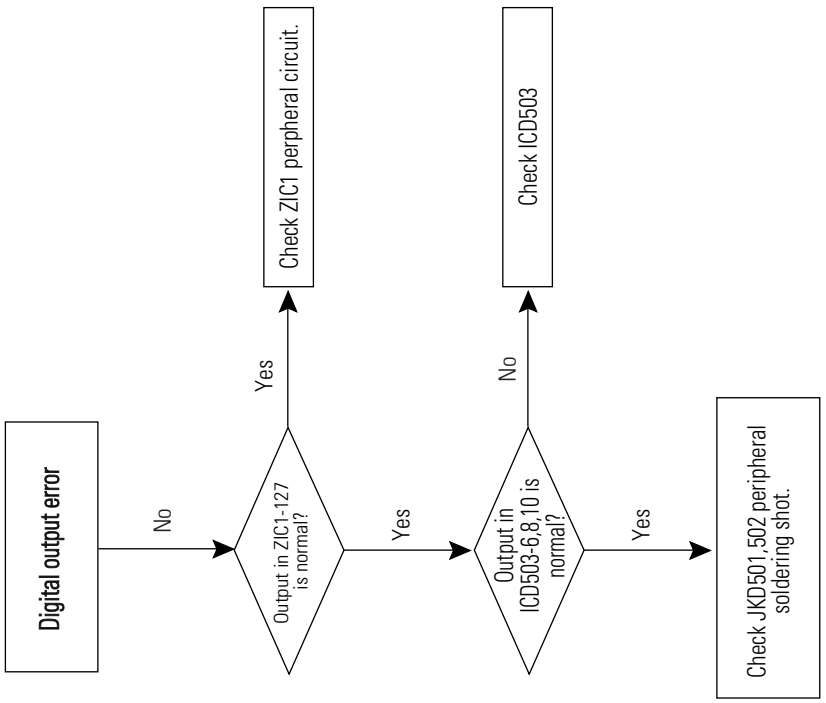


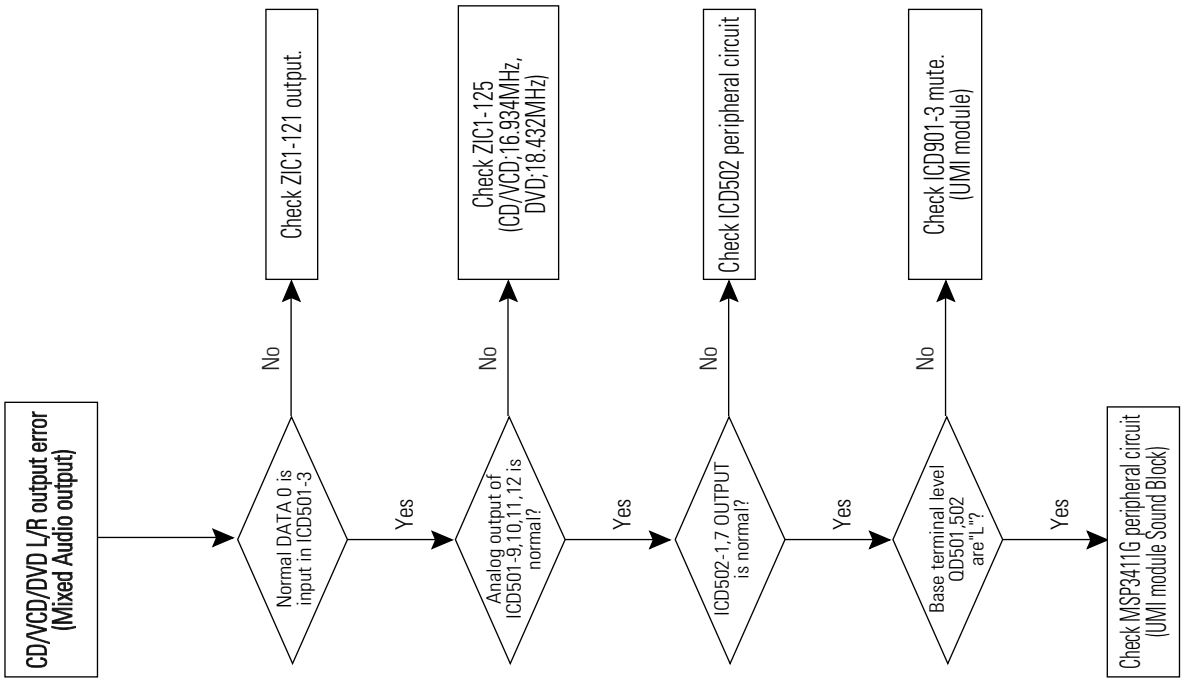

NO LD CD ON
B
RIC1-21 is 5V?
No
Check MIC1
Yes
Divide RQ1 emitter terminal voltage and 5V real voltage difference into 10ohm.
Yes
Current exceeds 0.1A?
No
Open check in related circuit.
Yes
LD out pick-up replace.


No pick-up home positing
SLD, SIC1-34 output is normal?
No
Check MIC1
Yes
LED+, SLED- SIC3-32,33 output are normal?
No
Check SIC3
Yes
Check the Sled Motor and connection


FINE SEEK Check
No
FINE SEEK MIRR signal(RIC1-46) is missing?
Yes
Check RIC1 Peripheral curcuit.
Yes
TZCO signal (SIC1-24)is occurs?
No
Check SIC1 Peripheral curcuit.
Yes
Track incomming is delayed?
No
Time out due to many jump counts
Yes
TE is within 2V and 3V?
No
SIC1-33 output are normal?
No
Check RIC1-26 terminal.
Yes
Pick-up transfer smooth.
No
Check MECHA.
Yes
SIC3-28,29 terminaloutputs are normal?
No
Check SIC3 peripheral circuit.
Yes
Check SIC1 peripheral circuit.
Check DCN1 and pick-up.
No Search Operation
MIRR, SIC1-157 output is normal?
No
RF AGCO, RIC1-72 Output level is normal?
No
Check pick-up.
Yes
Check RIC1 peripheral circuit.
Yes
Actual velocity occurs at SIC1-34 terminal?
No
Check SIC1 peripheral circuit.
Yes
Actual velocity occurs at SIC4-32,33 terminal?
No
Check SIC3 peripheral circuit.
Yes
TE occurs in search range?
No
Focus On?
No
A
Yes
See "Fine Seek Check"


No Tray open/close
MIC1-6, 8 is Open ; "L", "L" ? Close ; "H", "H"?
No
Micom (MIC1) error.
Yes
Check SIC3-35, 36 output at open/close
No
Check SIC3.
Yes
Check signal line state from SIC3-35, 36 to tray motor.
Abnormal rotation of disc motor
Input of RF signal is normal? (SIC1-15)
No
RIC1-71 output is normal?
No
Check RIC1 peripheral circuit and A, B, C, D.
Yes
RIC1-70 output are normal?
No
Check RIC1 soldering and power.
Yes
Check path to RIC1 and SIC1.
Yes
SPD output is normal? (SIC1-35)
No
After resoldering SIC1.
Yes
SIC3-2 output (FG) is normal?
No
Check SIC3 soldering and power.
Yes
SIC3-9 signal MON is "H" ?
No
Check SIC1, MIC1.
Yes
Check or replace disc motor.


Digital output error
No
Output in ZIC1-127 is normal?
Yes
Check ZIC1 perpheral circuit.
Yes
Output in ICD503-6,8,10 is normal?
No
Check ICD503
Yes
Check JKD501,502 peripheral soldering shot.


CD/VCD/DVD L/R output error (Mixed Audio output)
Normal DATA 0 is input in ICD501-3
No
Check ZIC1-121 output.
Yes
Analog output of ICD501-9,10,11,12 is normal?
No
Check ZIC1-125 (CD/VCD;16.934MHz, DVD;18.432MHz)
Yes
ICD502-1,7 OUTPUT is normal?
No
Check ICD502 peripheral circuit
Yes
Base terminal level OD501,502 are "L"?
No
Check ICD901-3 mute. (UMI module)
Yes
Check MSP3411G peripheral circuit (UMI module Sound Block)

MEMO